# Control Language Programming Workshop for IBM i

**Duration: 4 Days** **Course Code: OL20G** **Delivery Method: Virtual Learning**

## Overview:

**Learn to write easy to use and efficient control language (CL) programs which may be used to perform a variety of system and application control functions. You are taught to write basic and intermediate level, interactive, and batch CL programs, user commands, and CL programs that function as user tools (programs that use the output of display commands as input).**

You will learn to write Control Language (CL) programs which may be used to perform a variety of system and application control functions. You will be taught to write basic and intermediate level interactive and batch CL programs as well as programs that function as user tools (programs that use the output of display commands as input).

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

## Target Audience:

This intermediate course is for application programmers, system programmers, and others who have a need to write control language programs.

## Objectives:

- **After completing this course, students should be able to**
- Create CL programs that incorporate the full range of language operations and functions:
- Arithmetic, string, and boolean expressions
- Relational operations
- Built-in functions
- File handling
- Message handling
- Retrieving IBM i information
- Program interaction and parameter passing
- Use the interactive source debugging facilities of STRDBG
- Describe how to create and call Integrated Language Environment (ILE) modules, programs, and service programs
- Create user-defined commands with and without parameters
- Create a control language program that processes a database file
- Create and invoke a program that is activated periodically and executes asynchronously from other jobs
- State the purpose of the parameters on the CRTBNDCL command and each section of the control language compiler listing

## Prerequisites:

**You should be able to:**

- Write simple programs in another programming language
- Perform basic IBM i operations
- Code the commands necessary to send inquiry and information messages
- Use data description specifications (DDS) and the Rational Development Studio (formerly known as Websphere Development Studio, WDS) tools (Programming Development Manager (PDM) and source

entry utility (SEU)) to create physical, logical, and display files

## Testing and Certification

None

- Use the WDS tools to enter CL source statements and create CL programs
- Describe basic work management
- Create a library, output queue, and a job description

**These prerequisites can be met through successful completion of the following courses:**

- DL06005G (Getting Started with IBM i Development)
- DL06004G (Getting Started with IBM i)

## Follow-on-Courses:

None

## Content:

Please see the course objectives

## Further Information:

For More information, or to book your course, please call us on 0800/84.009

info@globalknowledge.be

www.globalknowledge.com/en-be/